#### PATENT COOPERATION TREATY

### **PCT**

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 004979-00048	FOR FURTHER ACTION	See item 4 below		
International application No. PCT/US2005/012218	International filing date (day/month/year) 11 April 2005 (11.04.2005)	Priority date (day/month/year) 09 April 2004 (09.04.2004)		
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant PRESIDENT AND FELLOWS OF HARVARD COLLEGE				

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 <i>bis</i> .1(a).			
2.	This REPORT consists of a total of 4 sheets, including this cover sheet.			
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.			
3.	This report contains indications	relating to the following items:		
	Box No. I	Basis of the report		
	Box No. II	Priority		
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability		
	Box No. IV	Lack of unity of invention		
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
	Box No. VI	Certain documents cited		
	Box No. VII	Certain defects in the international application		
	Box No. VIII	Certain observations on the international application		
4.		ommunicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but makes an express request under Article 23(2), before the expiration of 30 months from the priority		

Date of issuance of this report 11 October 2006 (11.10.2006) Authorized officer The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Simin Baharlou e-mail: pt09@wipo.int Facsimile No. +41 22 338 82 70

### PATENT COOPERATION TREATY

From the NTERNATIONAL SEA	RCHING AUTHORI	TY		REC'D 17 NOV	2005
To: ERNEST V. LINEK 28 STATE STREET - 28TH FLOOR BOSTON, MA 02109		PC WIPO PCT WRITTEN OPINION OF THE			
,			INTERNATIO	NAL SEARCHING AUTHORIT	ГΥ
				(PCT Rule 43bis.1)	
			Date of mailing (day/month/year)	15 NOV 2005	
Applicant's or agent's	file reference		FOR FURTHER A	ACTION See paragraph 2 below	
004979-00048	NT- In	nternational filing date	(day/month/year)	Priority date (day/month/year)	
International application				09 April 2004 (09.04.2004)	
PCT/US05/12218 International Patent Cl	assification (IPC) or b	1 April 2005 (11.04.20 oth national classificat	tion and IPC	03 April 2004 (03.04.2001)	
IPC(7): C07D 491/02				·	
Applicant	and 03 Ci 340/433				
PRESEDENT AND F	ELLOWS OF HARV	ARD COLLEGE			
		ng to the following iten	ns:		
Box No. I	Basis of the op	oinion			
Box No. I	Box No. II Priority				
Box No. I	II Non-establishr	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
Box No. I	V Lack of unity	Lack of unity of invention			
Box No. V	Reasoned state applicability; o	bility; citations and explanations supporting such statement			
Box No. 3	/I Certain docum	nents cited			
Box No. 1	/II Certain defects	s in the international ap	al application		
Box No.	Box No. VIII Certain observations on the international application				
International Pre	international prelimin liminary Examining	Authority ("IPHA") 6	except that this does in IPEA has notified the	be considered to be a written opinion not apply where the applicant choos to International Bureau under Rule 66.1 ared.	,05 444
IPEA a written r of Form PCT/ISA	eply together, where a V/220 or before the ex	ppropriate, with amen piration of 22 months	idments, before the ex	PEA, the applicant is invited to submit piration of 3 months from the date of m whichever expires later.	to the nailing
For further optio	ns, see Form PCT/ISA	/220.			
3. For further detail	s, see notes to Form P	CT/ISA/220.			
Mail Stop PC Commission P.O. Box 14	Idress of the ISA/ US CT, Attn: ISA/US er for Patents 50 Virginia 22313-1450		oletion of this opinion 005 (26.10.2005)	Authorized officer) Robert Shrao Telephone No. (571)272-1600	Clark

Facsimile No. (571) 273-8300
Form PCT/ISA/237 (cover sheet) (April 2005)

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/12218

	o. I Basis of this opinion
1. With	regard to the language, this opinion has been established on the basis of: the international application in the language in which it was filed a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With inven	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claim tion, this opinion has been established on the basis of:
a.	type of material
	a sequence listing  table(s) related to the sequence listing
b.	format of material
	on paper
	in electronic form
c.	time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in electronic form.  furnished subsequently to this Authority for the purposes of search.
	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been file or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
	onal comments:

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/12218

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims 1-24	YES		
	Claims NONE	NO		
Inventive step (IS)	Claims 1-24	YES		
	Claims NONE	NO		
Industrial applicability (IA)	Claims 1-24	YES		
	Claims NONE	No		
2. Citations and explanations:				
modification of above reference to obtain the instant Claims 1-24 meet the criteria set out in PCT Article be made or used in industry.				

Form PCT/ISA/237 (Box No. V) (April 2005)